



CONSTRUCTION EQUIPMENT

714276 RENTALS VOLVO L90 627190 - DIESEL ENGINE



Sample No: VCP451323
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 714276 RENTALS



SAMPLE INFORMATION

Sample Number	VCP451323	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	575	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	8.5	---	---	---
Oxidation (PA)	%	71	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	24	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	30	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	13	---	---	---
Chromium	ppm	3	---	---	---
Molybdenum	ppm	40	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1564	---	---	---
Magnesium	ppm	596	---	---	---
Zinc	ppm	1162	---	---	---
Phosphorus	ppm	958	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	42	---	---	---

Depot: VOLVO0096
Unique No: 11018538
Signed: Sean Felton
Report Date: 10 May 2024



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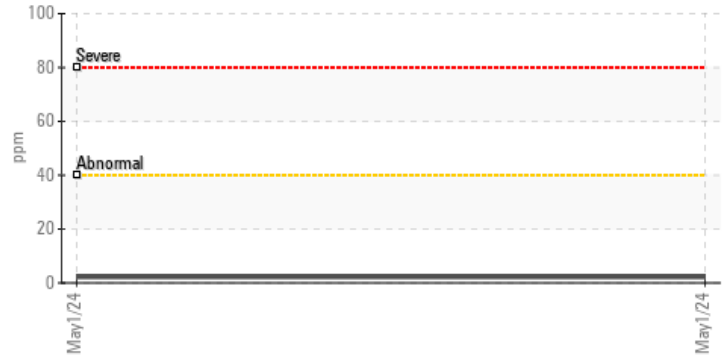


GRAPHS

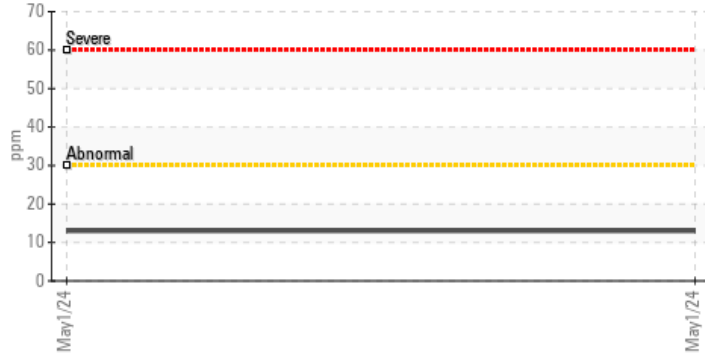
Iron (ppm)



Lead (ppm)



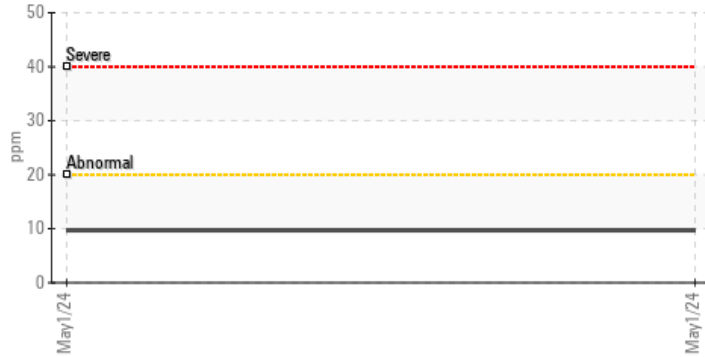
Aluminum (ppm)



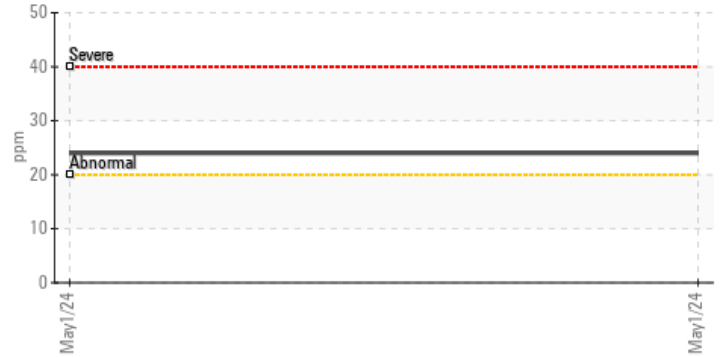
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

